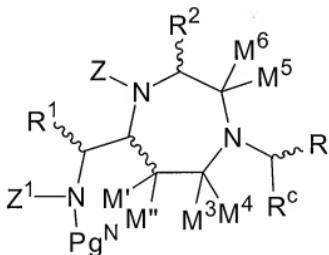


IN THE CLAIMS

1-112. (Cancelled)

113. (Previously Presented) A general mimetic of the structure



wherein:

~~~~ indicates a bond at a chiral centre of the structure which centre may be in the R or S configuration or a mixture thereof;

R, R<sup>1</sup> and R<sup>2</sup> are amino acid side chain groups which may be the same or different;

M' and M" may be the same or different and are selected from the group consisting of hydrogen, C<sub>1</sub>-C<sub>4</sub> alkyl, chloro and C<sub>1</sub>-C<sub>4</sub> alkoxy;

M<sup>3</sup>, M<sup>4</sup>, M<sup>5</sup> and M<sup>6</sup> define a lactam as follows:

- (i) M<sup>3</sup>, M<sup>4</sup> when taken together with the ring carbon to which they are attached form a carbonyl group, M<sup>5</sup> and M<sup>6</sup> = H, or
- (ii) M<sup>3</sup> is H and M<sup>4</sup> = M<sup>1</sup>, M<sup>5</sup> and M<sup>6</sup> when taken together with the carbon atom to which they are attached form a carbonyl group;

$Z'$  is selected from the group consisting of hydrogen or methyl or part of a cyclic amino acid sidechain joined to  $R^1$ ;

$Pg^N$  is a protecting group for amine;

$R^C$  is selected from the group consisting of a carboxy terminal part of the mimetic, hydrogen,  $R$ , and  $CH_2R$ ; and

$Z$  is selected from the group consisting of hydrogen, methyl, ethyl, formyl, acetyl, - $CH_2R$ , and  $C(O)R$ .

114. (Withdrawn) A peptide mimetic as claimed in claim 113 wherein when  $Q^1$  and  $Q^2$  form a cyclic group  $Q^1Q^2$  which is selected from the group consisting of - $CH(R)C(O)$ -, - $CH_2CH(R)C(O)$ -, - $CH_2CH_2CH(R)C(O)$ -, - $CH(R)CH_2$ -, - $CH_2CH(R)CH_2$ -, - $CH_2CH_2CH(R)CH_2$ -, - $CH_2CH(R)$ -, - $CH_2CH_2CH(R)$ -, - $CH(R)CH_2CH_2$ -, - $CH_2CH(R)CH_2CH_2$ -, - $CH(R)CH_2C(O)$  and - $CH_2CH(R)CH_2C(O)$ .

115. (Withdrawn) A peptide mimetic as claimed in Claim 113 wherein  $Q^1$  is  $R$ ,  $Q^2$  is  $Z$ ,  $Q^3$  is  $C(O)$  or  $CH_2$ .

116. (Withdrawn) A peptide mimetic as claimed in Claim 113 wherein  $Q^1$  is  $R$ ,  $Q^2$  is  $Z$ ,  $Q^3$  is - $C(O)N(Q^5)CH(R)C(O)$ - or - $C(O)N(Q^5)CH(R)CH_2$ -.

117. (Withdrawn) A peptide mimetic as claimed in Claim 113 wherein  $Q^1$  is  $CH(R)C(O)Q^2$ ,  $Q^1Q^2$  - forms a cyclic group - $CH(R)C(O)Q^2$ ,  $Q^3$  is  $C(O)$  or  $CH_2$ .

118. (Withdrawn) A peptide mimetic as claimed in Claim 113 wherein  $Q^1$  is  $CH_2CH(R)C(O)Q^2$ ,  $Q^1Q^2$  - forms a cyclic group - $CH_2CH(R)C(O)$ -,  $Q^3$  is  $C(O)$  or  $CH_2$ .

119. (Previously Presented) A peptide mimetic as claimed in Claim 113 wherein  $R^C$  is  $C(O)Pg^C$  where  $Pg^C$  is a protecting group for carboxylic acid.

120. (Previously Presented) A peptide mimetic as claimed in Claim 119 wherein  $Pg^C$  is selected from the group consisting of alkoxy, benzyloxy, allyloxy, fluorenylmethoxy, amines forming easily removable amides, a cleavable linker to a solid support, the solid support, hydroxy, NHR, OR, R or the remaining C-terminal portion of the mimetic.

121. (Previously Presented) A peptide mimetic as claimed in Claim 113 wherein  $Pg^N$  is selected from a group consisting of Boc, Cbz, Alloc, trityl, a cleavable linker to a solid support, the solid support, hydrogen, R,  $C(O)R$  or part of the remaining N-terminal portion of the mimetic.

122. (Withdrawn) A peptide mimetic as claimed in Claim 113 wherein  $M'$  or  $M''$  is methoxy.

123. (Withdrawn) A peptide mimetic is claimed in Claim 113 wherein  $M'$  or  $M''$  is methyl.

124. (Previously Presented) A peptide mimetic as claimed in Claim 113 wherein Z is H,  $Z^1$  is H and  $R^C$  is  $C(O)Pg^C$ .

125. (Withdrawn) A peptide mimetic as claimed in Claim 124 wherein  $R^1$  and  $R^2 \neq H$

126. (Previously Presented) A peptide mimetic as claimed in claim 113 wherein Z is hydrogen,  $M^5$  and  $M^6$  when taken together with the carbon atom to which they are attached form a carbonyl group,  $Z^1 = H$ , and  $R^C$  is  $C(O)Pg^C$ .

127. (Withdrawn) A peptide mimetic as claimed in Claim 126 wherein  $R^1$  and  $R^2 \neq H$

128. (Withdrawn) A peptide mimetic as claimed in Claim 113 wherein  $Q^1$  is  $R^1$ ,  $Q^2$  is hydrogen,  $Q^3$  is  $-C(O)N(Q^5)CH(R)C(O)-$ ,  $Z^1=H$  and  $R^C$  is  $C(O)Pg^C$ .

129. (Withdrawn) A peptide mimetic as claimed in Claim 113 wherein Q<sup>1</sup> is R<sup>1</sup>, Q<sup>2</sup> is hydrogen, Q<sup>3</sup> is -C(O)N(Q<sup>5</sup>)CH(R)CH<sub>2</sub>-, Z<sup>1</sup>=H and R<sup>C</sup> is C(O)Pg<sup>C</sup>.

130. (Withdrawn) A peptide mimetic as claimed in Claim 114 wherein Q<sup>1</sup>Q<sup>2</sup> is -CH(R<sup>2</sup>)C(O)-, Q<sup>3</sup> is C(O), Z<sup>1</sup>=R<sup>1</sup> and R<sup>C</sup> is C(O)Pg<sup>C</sup>.

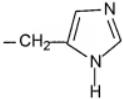
131. (Withdrawn) A peptide mimetic as claimed in Claim 114 wherein Q<sup>1</sup>Q<sup>2</sup> is -CH(R<sup>2</sup>)C(O)-, Q<sup>3</sup> is CH<sub>2</sub>, Z<sup>1</sup>=R<sup>1</sup> and R<sup>C</sup> is C(O)Pg<sup>C</sup>.

132. (Withdrawn) A peptide mimetic as claimed in Claim 114 wherein Q<sup>1</sup>Q<sup>2</sup> is -CH<sub>2</sub>CH(R<sup>2</sup>)C(O)-, Q<sup>3</sup> is C(O), Z<sup>1</sup>=R<sup>1</sup> and R<sup>C</sup> is C(O)Pg<sup>C</sup>.

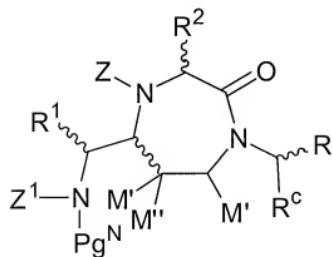
133. (Withdrawn) A peptide mimetic as claimed in Claim 114 wherein Q<sup>1</sup>Q<sup>2</sup> is -CH<sub>2</sub>CH(R<sup>2</sup>)C(O)-, Q<sup>3</sup> is CH<sub>2</sub>, Z<sup>1</sup>=R<sup>1</sup> and R<sup>C</sup> is C(O)Pg<sup>C</sup>.

134. (Previously Presented) A peptide mimetic according to claim 113 wherein R, R<sup>1</sup> and R<sup>2</sup> are each independently selected from the group consisting of

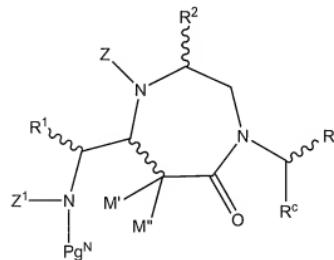
- (i) -CH<sub>3</sub>,
- (ii)  $-\text{CH}_2-\overset{\text{O}}{\underset{\text{||}}{\text{C}}}-\text{NH}_2$ ,
- (iii) -CH<sub>2</sub>SH,
- (iv) -CH<sub>2</sub>CH<sub>2</sub>-C(O)NH<sub>2</sub>,
- (v) -H,
- (vi) -CH(CH<sub>3</sub>)CH<sub>2</sub>CH<sub>3</sub>,
- (vii) -CH<sub>2</sub>-CH(CH<sub>3</sub>)<sub>2</sub>,
- (viii) -CH<sub>2</sub>CH<sub>2</sub>S-CH<sub>3</sub>,
- (ix) -CH<sub>2</sub>Ph,
- (x) -CH<sub>2</sub>OH,

- (xi) -CH(OH)CH<sub>3</sub>,
- (xii) -CH<sub>2</sub>-(3-indolyl)
- (xiii) -CH<sub>2</sub>-Ph-OH,
- (xiv) -CH(CH<sub>3</sub>)<sub>2</sub>,
- (xv) -CH<sub>2</sub>CO<sub>2</sub>H,
- (xvi) -CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-NH-C(=O)-NH<sub>2</sub>,
- (xvii)   
, and
- (xix) -CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-NH<sub>2</sub>.
- (xx) -CH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>H.

135. (Previously Presented) A mimetic according to claim 113 having the structure:



136. (Withdrawn) A mimetic according to claim 113 having the structure:



137. (Previously Presented) A peptide mimetic as claimed in claim 135 wherein M', M'' are H.

138. (Previously Presented) A peptide mimetic as claimed in claim 135 wherein Z, Z<sup>1</sup> are H.

139. (Withdrawn) A peptide mimetic as claimed in claim 135 wherein R<sup>1</sup> and R<sup>2</sup>  $\neq$  H.

140. (Previously Presented) A peptide mimetic as claimed in claim 135 wherein R<sup>c</sup> is C(O)Pg<sup>c</sup> where Pg<sup>c</sup> is a protecting group for carboxylic acid.

141. (Withdrawn) A peptide mimetic as claimed in claim 136 wherein M', M'' are H.

142. (Withdrawn) A peptide mimetic as claimed in claim 136 wherein Z, Z<sup>1</sup> are H.

143. (Withdrawn) A peptide mimetic as claimed in claim 136 wherein R<sup>1</sup> and R<sup>2</sup>  $\neq$  H.

144. (Withdrawn) A peptide mimetic as claimed in claim 136 wherein R<sup>c</sup> is C(O)Pg<sup>c</sup> where Pg<sup>c</sup> is a protecting group for carboxylic acid.